

State of Hawaii
DEPARTMENT OF LAND AND NATURAL RESOURCES
Division of Aquatic
Resources Honolulu,
Hawaii 96813

April 9, 2021

Board of Land
and Natural Resources
Honolulu, Hawaii

Request for Authorization and Approval to Issue a Papahānaumokuākea Marine National
Monument Native Hawaiian Practices Permit to Mr. Nainoa Thompson, Polynesian
Voyaging Society, for Access to State Waters to Conduct Sails for Navigators Using
Non-Instrumental Navigation Activities

The Division of Aquatic Resources (DAR) hereby submits a request for your authorization and approval for issuance of a Papahānaumokuākea Marine National Monument Native Hawaiian practices permit to Mr. Nainoa Thompson, President, Polynesian Voyaging Society, pursuant to §187 A-6, Hawai 'i Revised Statutes (HRS), Chapter 13-60.5, Hawai 'i Administrative Rules (HAR), and all other applicable laws and regulations.

The Native Hawaiian practices permit, as described below, would allow entry and activities to occur in Papahānaumokuākea Marine National Monument, including the NWHI State Marine Refuge and the waters (0-3 nautical miles) surrounding the following sites:

- Nihoa
- Necker Island (Mokumanamana)
- French Frigate Shoals

The activities covered under this permit would be authorized to occur between May 2021 and April 2022.

INTENDED ACTIVITIES

Mr. Charles Nainoa Thompson is proposing to sail two voyaging canoes, the Hōkūle'a (16 crew max) and the Hikianalia (16 crew max) and one escort vessel (6 crew max), or a combination thereof, to the islands of Nihoa, Mokumanamana (Necker Island), and Lalo (French Frigate Shoals) for up to a 20-day voyage as a way to perpetuate traditional wayfinding and voyaging practices. The possible escort vessel will provide important safety support for the vessel(s) in the instance an emergency or other unforeseen circumstance

occurs. The islands within Papahānaumokuākea are regarded as an important training area for apprentice navigators, and any voyage to these islands will be regarded as such. While at any of these locations, cultural protocols will be performed and anchoring on sandy substrate is requested as well as swimming and snorkeling in the vicinity of the canoe. Subsistence and sustenance fishing are being requested and the crew would like to continue to examine the gut content and size of fish caught by handline, continuing this practice from the 2013-2018 Worldwide Voyage.

Tentative voyaging dates are from May 2021 – April 2022. Specific dates are still being determined based on weather and other PVS initiatives. An updated sailplan and schedule will be submitted via Monument point of contact and the PMNM compliance form.

The Malama Honua Worldwide Voyage (WWV) began in 2013 with a Malama Hawai'i sail across the Hawaiian archipelago, and continued through 2018 with a new generation of navigators taking the helm and guiding Hokule'a and Hikianalia back to Polynesia after circumnavigating the globe, and again voyage around Hawai'i's home archipelago.

Hikianalia successfully and safely voyaged into Papahānaumokuākea in September 2013, with 6 apprentice navigators and 4 pwo (master) traditional navigators on board, providing an exceptional experiential learning opportunity. Subsequently, Hikianalia again successfully voyaged into PMNM in 2015 in collaboration with the 'Opihi Partnership, conducting science onboard the wa'a during the voyage. Both voyages have helped to provide a stronger awareness that the entire Hawaiian Archipelago is connected, sacred and worth protecting. It also helped to continue to draft the chart toward more regular access for Polynesian voyaging canoes into this traditional voyaging area and toward more collaboration among multidisciplinary champions of the perpetuation of the natural and cultural resources of Hawai'i. For this reason, PVS is excited to continue to leverage expertise and resources from scientists, marine managers, educators, and cultural practitioners to further integrate western science and Native Hawaiian ways of knowing.

The Polynesian Voyaging Society is preparing and planning an around-the-Pacific voyage in the coming years. In order to train the requisite crew, navigators, and captains for this endeavor, training within the Hawaiian Archipelago is necessary. Utilizing the islands within Papahānaumokuākea gives crew, especially navigators, an opportunity to navigate to islands small in stature with no light pollution. They must utilize and understand ancestral knowledge in their observations of the sun, stars, swells, seabirds and other natural phenomena. The routes from Kaua'i to Nihoa and beyond provide for open ocean sailing not normally experienced in the Hawaiian archipelago - the launching point nor the target destination are visible for an extended period of time during the course of the voyage, thereby offering a close simulation of a long-distance voyage without the added dangers of testing endurance. It is also the only voyaging route that offers this simulation while being close enough to the main Hawaiian Islands to ensure safety and access to provisions. These characteristics make this route the ideal training platform for novice Hawaiian wayfinders.

Today, apprentice Hawaiian wayfinders can be considered qualified to attempt to navigate a

canoe on long-distance, trans-Pacific sails after they have successfully guided a voyage from Kaua'i to Nihoa.

The canoe(s) will depart Kaua'i en-route to Lehua Island, with Nihoa as its initial landmark. Crew will utilize traditional wayfinding and navigation while on their voyage. Once at Nihoa, the crew will spend a day for cultural protocols at the island. If the vessels subsequently continue to Mokumanamana, the vessel will anchor for the day in the lee of the island to do cultural protocol and for planning the return sail to the main Hawaiian Islands. If the weather and schedule permits, a sail to Lalo (French Frigate Shoals) is requested. East Island at Lalo was assessed for sea level research under PMNM 2018-018; it is being requested to do a post-assessment of the island due to its changing nature. The ship will enter from the southwestern portion of the atoll and anchor near La Perouse Pinnacle in sandy substrate.

While at each island, crew will snorkel in the vicinity of the vessel to do presence/absence fish surveys. All legs of the voyage, are weather pending, which may either prolong or inhibit a stay at an island. Other activities conducted (depending on available capacity) may include conducting the same science projects that were carried out during the WWY that includes: deploying an acoustic recorder to record biological and anthropogenic sounds; surface water quality monitoring using a hand-held Hannah YSJ sonde; and collecting micro-plastic and plankton samples.

A finalized sail plan including final crew list, which canoe will go, and if there will be an escort vessel, will be attached to the Compliance Information Sheet and submitted to the Monument Permit Coordinator prior to entry. All vessels will comply with Monument Best Management Practices.

The crew and vessels for this expedition will consist of the following;

16 crew (maximum) for the double-hulled, Polynesian voyaging canoe Hikianalia, crew member names TBD on compliance information sheet.

16 crew (maximum) for the double-hulled, Polynesian voyaging canoe Hokule'a,-- crew member names TBD on compliance information sheet.

6 crew (maximum) for a TBD escort vessel, if needed-- crew members TBD on compliance information sheet.

In addition, the applicant is proposing to conduct sustenance fishing activities in accordance with the Monument Management Board Sustenance Fishing Policy. All fishing will be conducted opportunistically; no specific fish will be targeted, and fishing will only occur to feed the crew for the day, if necessary. Up to 4 handlines with contemporary lures (ceramic heads/metal hooks) and/or traditional lures (shell/bone) will be utilized while trolling en-route to island destinations. Any State regulations including pono fishing practices recommended will be followed. All Monument BMPs will be adhered to in the instance of seabird interactions, marine mammals, and/or any ESA listed species. Data will be collected

on all fish caught for size, gut content, gender, and spawning cycles. Pliers and a dehooker will be onboard to assist with quick removal of hooks from any catch. All fish will be consumed in the Monument.

Lastly, the Applicant intends to partake in cultural observations and protocol in order to strengthen cultural connections to the place. The crew will pay respect and conduct culturally appropriate protocols at each island visited as well as throughout the voyage to continue to connect to place. The wa'a and crew will not disturb any natural, cultural or historic resources. The crew seeks to honor ancestors and the high significance of these places by presenting Ho'okupu in the form of oli (chants), pule (prayers), and spiritual gifts from the main Hawaiian Islands (such as 'awa and rain water and possibly a red fish offered as ho'okupu). All ho'okupu will follow any quarantine protocols established by the Monument.

The proposed project's activities will enhance the public's and Papahānaumokuākea management's understanding of the living cultural significance of this place, its connection to Hawai'i's past and to the main Hawaiian Islands of today, and the abilities of our younger generation of traditional navigators.

The activities proposed by the Applicant directly support the Monument Management Plan's (MMP) priority management needs through 3.1.2 - Native Hawaiian Culture and History Action Plan (Strategy NHCH-2: Conduct, support, and facilitate Native Hawaiian cultural access and research of the NWHI over the life of the plan). NHCH-2.6 states "[s]uch access needs may include, but not be limited to ... regular access for Polynesian voyaging canoes for wayfinding, navigational, and cultural protocol training". The knowledge and experiences gained by perpetuating these practices is invaluable to the Hawaiian community and to the individuals who partake in them. The expedition would build upon previous research on the significance of traditional wayfinding which will also help cultural practitioners better understand the celestial, spiritual and cultural connections between Papahānaumokuākea and the Main Hawaiian islands.

The activities described above may require the following regulated activities to occur in State waters:

- ☒ Removing, moving, taking, harvesting, possessing, injuring, disturbing, or damaging any living or nonliving monument resource
- ☒ Anchoring a vessel
- ☒ Possessing fishing gear except when stowed and not available for immediate use during passage without interruption through the Monument
- ☒ Sustenance fishing (Federal waters only, outside of Special Preservation Areas, Ecological Reserves and Special Management Areas)
- ☒ Subsistence fishing (State waters only)
- ☒ Swimming, snorkeling, or closed or open circuit SCUBA diving within any Special Preservation Area or Midway Atoll Special Management Area

REVIEW PROCESS:

The permit application was sent out for review and comment to the following scientific and cultural entities: Hawaii Division of Aquatic Resources, Hawaii Division of Forestry and Wildlife, Papahānaumokuākea Marine National Monument (NOAA/NOS), NOAA Pacific Islands Regional Office (NOAA-PIRO), United States Fish and Wildlife Service Hawaiian and Pacific Islands National Wildlife Refuge Complex Office, and the Office of Hawaiian Affairs (OHA). In addition, the permit application has been posted on the Monument Web site since March, 2020, giving the public an opportunity to comment. The application was posted within 40 days of its receipt, in accordance with the Monument's Public Notification Policy.

Comments received from the scientific community are summarized as follows:

Scientific reviews support the acceptance of this application.

The following questions and comments were raised. Applicant responses are noted below.

QUESTIONS:

1. Is the applicant experienced with a de-hooker in the event that a shark is hooked?

Applicant Response: *Yes, the crew who will be fishing are experienced with de-hookers and there will be one onboard each vessel doing this activity.*

COMMENTS / RECOMMENDATIONS:

1. The US Fish and Wildlife Service supports this activity.

Applicant Response: *Mahalo*

2. If a shark is hooked, fishing must be stopped and crew members should be prepared to release it.

Applicant Response: *Noted. The Polynesian Voyaging Society and its crew will follow any Monument best management practices and policies while trolling in Papahānaumokuākea. Sharks are not targeted during trolling activities and are highly revered as voyaging kinolau through akua such as Kamohoali'i and the rest of the Pele 'ohana as well as being important 'aumakua to certain families. While fishing from anchor where shark encounters are most likely to occur is not requested, we will take great care to watch lures in shallower waters near the islands in order to avoid these important kinolau.*

In addition, we want to be clear with how we fish, and what we are there to do. This is a navigation training, and while we always fish on voyages, we only do so to feed the crew for the

day, catching one or maybe two fish. We don't have any specific experience with de-hooking sharks because we simply don't catch any in the way we fish. If it is a huge problem and there are those that want to show how best to dehook a shark, then please share with us. Otherwise we have no intention of having any untrained crew risking themselves to dehook one. In 45 years of sailing all over the world, Hōkūle'a has maybe caught one or two sharks, and all survived.

Comments received from the Native Hawaiian community are summarized as follows:

Cultural reviews support the acceptance of this application.

Comments received from the public are summarized as follows:

No comments were received from the public on this application.

Additional reviews and permit history:

Are there other relevant/necessary permits or environmental reviews that have or will be issued with regard to this project? (e.g. MMPA, ESA, EA) Yes ☒ No ☐

If so, please list or explain:

An informal review of all aforementioned activities following section 305(b) of the Magnuson-Stevens Fishery Conservation and Management Act (MSA; 16 U.S.C. 1855(b)) will occur prior to issuance of this permit. The outcome of this review may require the applicant to adhere to other NMFS-prescribed conditions. Such conditions would be reflected in the PMNM permit, prior to issuance.

Coordination and consultation pursuant to ESA Section 7 will occur prior to issuance of this permit. Consultations was initiated to analyze the effects of conducting cultural observations and protocol and fishing activities at Nihoa Island on Hawaiian Monk Seals, Hawksbill Sea Turtles, Green Sea Turtles, and monk seal designated critical habitat. The outcome of this consultation may require the applicant to adhere to other NMFS-prescribed conditions.

The Department has made an exemption determination for this permit in accordance chapter 343, HRS, and Chapter 11-200, HAR. See Attachment ("DECLARATION OF EXEMPTION FROM THE PREPARATION OF AN ENVIRONMENTAL ASSESSMENT UNDER THE AUTHORITY OF CHAPTER 343, HRS AND CHAPTER 11-200 HAR, FOR PAPAĀNAUMOKUĀKEA MARINE NATIONAL MONUMENT NATIVE HAWAIIAN PRACTICES PERMIT TO MR. NAINOA THOMPSON, POLYNESIAN VOYAGING SOCIETY, FOR ACCESS TO STATE WATERS TO CONDUCT SAILS FOR NAVIGATORS USING NON-INSTRUMENTAL NAVIGATION ACTIVITIES UNDER PERMIT PMNM-2021-004")

Has Applicant been granted a permit from the State in the past?

Yes ☐

No ☒

If so, please summarize past permits:

Have there been any	a) violations:	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
	b) Late/incomplete post-activity reports:	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
Are there any other relevant concerns from previous permits?		Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>

STAFF OPINION:

PMNM staff is of the opinion that Applicant has properly demonstrated valid justifications for his application and should be allowed to enter the NWHI State waters and to conduct the activities therein as specified in the application with certain special instructions and conditions, which are in addition to the Papahānaumokuākea Marine National Monument Native Hawaiian Practices Permit General Conditions. All suggested special conditions have been vetted through the legal counsel of the Co-Trustee agencies (see Recommendation section).

MONUMENT MANAGEMENT BOARD OPINION:

The MMB is of the opinion that the Applicant has met the findings of Presidential Proclamation 8031 and this activity may be conducted subject to completion of all compliance requirements. The MMB concurs with the special conditions recommended by PMNM staff.

RECOMMENDATION:

Based on the attached proposed declaration of exemption prepared by the department after consultation with and advice of those having jurisdiction and expertise for the proposed permit actions:

1. That the Board declare that the actions which are anticipated to be undertaken under this permit will have little or no significant effect on the environment and is therefore exempt from the preparation of an environmental assessment.
2. Upon the finding and adoption of the department's analysis by the Board, that the Board delegate and authorize the Chairperson to sign the declaration of exemption for purposes of recordkeeping requirements of chapter 343, HRS, and chapter 11-200, HAR.
3. That the Board authorize and approve a Native Hawaiian Practices Permit to Mr. Nainoa Thompson, Polynesian Voyaging Society, with the following special conditions:
 - a. To prevent introduction of disease or the unintended transport of live organisms, the permittee must comply with the disease and transport protocol attached to this permit.
 - b. Tenders and small vessels must be equipped with engines that meet EPA emissions requirements.

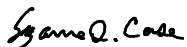
- c. Refueling of tenders and all small vessels must be done at the support ships and outside the confines of lagoons or near-shore waters in the State Marine Refuge.
- d. No fishing is allowed in State Waters except as authorized under state law for subsistence, traditional, and customary practices by Native Hawaiians.
- e. If there is any Hawaiian monk seal or any other protected species in the area when performing any permitted activity shall cease until the animal(s) depart the area, except as permitted for specific management of that species.
- f. For all activities requiring landing on uninhabited islands an authorized staff escort trained for each particular inhabited island will be included on the landing team.
- g. The permittee is required to follow all applicable Federal, State, and County laws with respect to the COVID-19 emergency response that apply at the time of departure and return. In issuance of this permit, the State of Hawaii is not otherwise monitoring or regulating permittee's compliance with COVID-19 laws and is not responsible for the health and safety of crew members, researchers or other occupants of the vessel associated with this permit.

Respectfully submitted,



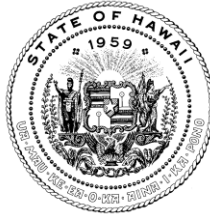
Brian J. Neilson, Administrator
Division of Aquatic Resources

APPROVED FOR SUBMITTAL



Suzanne D. Case, Chairperson
Board of Land and Natural Resources

DAVID Y. IGE
GOVERNOR OF HAWAII



STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES

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SUZANNE D. CASE
CHAIRPERSON
BOARD OF LAND AND NATURAL RESOURCES
COMMISSION ON WATER RESOURCE MANAGEMENT

ROBERT K. MASUDA
FIRST DEPUTY

M. KALEO MANUEL
DEPUTY DIRECTOR - WATER

AQUATIC RESOURCES
BOATING AND OCEAN RECREATION
BUREAU OF CONVEYANCES
COMMISSION ON WATER RESOURCE MANAGEMENT
CONSERVATION AND COASTAL LANDS
CONSERVATION AND RESOURCES ENFORCEMENT
ENGINEERING
FORESTRY AND WILDLIFE
HISTORIC PRESERVATION
KAHOOLAWE ISLAND RESERVE COMMISSION
LAND
STATE PARKS

April 9, 2021

TO: Division of Aquatic Resources File

THROUGH: Suzanne D. Case, Chairperson

FROM: Brian J. Neilson, Administrator
Division of Aquatic Resources

A handwritten signature in black ink, appearing to read "BJN", is written over the name "Brian J. Neilson".

SUBJECT:

DECLARATION OF EXEMPTION FROM THE PREPARATION OF AN ENVIRONMENTAL ASSESSMENT UNDER THE AUTHORITY OF CHAPTER 343, HRS AND CHAPTER 11-200 HAR, FOR A PAPAĀNAUMOKUĀKEA MARINE NATIONAL MONUMENT NATIVE HAWAIIAN PRACTICES PERMIT TO MR. NAINOA THOMPSON, POLYNESIAN VOYAGING SOCIETY, FOR ACCESS TO STATE WATERS TO CONDUCT SAILS FOR NAVIGATORS USING NON-INSTRUMENTAL NAVIGATION ACTIVITIES UNDER PERMIT PMNM-2021-004.

The following permitted activities are found to be exempted from preparation of an environmental assessment under the authority of Chapter 343, HRS and Chapter 11-200, HAR:

Project Title: Papahānaumokuākea Marine National Monument Native Hawaiian Practices Permit To Mr. Nainoa Thompson, Polynesian Voyaging Society, For Access To State Waters To Conduct Sails For Navigators Using Non-Instrumental Navigation Activities.

Permit Number: PMNM-2021-004

Project Description: The applicant proposes to conduct sails for navigators using non-instrumental navigation activities during expeditions planned between May 2021 and April 2022. Up to two voyaging canoes, the Hōkūle'a (16 crew max) and the Hikianalia (16 crew max) and one escort vessel (6 crew max) (or a combination thereof) will sail to the islands of Nihoa, Mokumanamana (Necker Island), and Lalo (French Frigate Shoals) for up to a 20-day voyage as a way to perpetuate traditional wayfinding and voyaging practices.

The Native Hawaiian practices permit, as described below, would allow entry and activities to occur in Papahānaumokuākea Marine National Monument, including the NWHI State Marine Refuge and the waters (0-3 nautical miles) surrounding the following sites:

- Nihoa
- Necker Island (Mokumanamana)
- French Frigate Shoals

The activities covered under this permit would be authorized to occur between May 2021 and April 2022.

INTENDED ACTIVITIES

Mr. Charles Nainoa Thompson is proposing to sail two wa‘a kaulua Hōkūle‘a – 16 crew max and Hikianalia – 16 crew max and one escort vessel – 6 crew max (or a combination thereof) to the islands of Nihoa, Mokumanamana (Necker Island), and Lalo (French Frigate Shoals) for up to a 20-day voyage as a way to perpetuate traditional wayfinding and voyaging practices. The possible escort vessel will provide important safety support for the vessel(s) in the instance an emergency or other unforeseen circumstance occurs. The islands within Papahānaumokuākea are regarded as an important training area for apprentice navigators, and any voyage to these islands will be regarded as such. While at any of these locations, cultural protocols will be performed and anchoring on sandy substrate is requested as well as swimming and snorkeling in the vicinity of the canoe. Subsistence and sustenance fishing are being requested and the crew would like to continue to examine the gut content and size of fish caught by handline, continuing this practice from the 2013-2018 Worldwide Voyage.

Tentative voyaging dates are from May 2021 – April 2022; two or more expeditions may be conducted. Specific dates are still being determined based on weather and other PVS initiatives. An updated sailplan and schedule will be submitted via Monument point of contact and the PMNM compliance form.

The Malama Honua Worldwide Voyage (WWV) began in 2013 with a Malama Hawai‘i sail across the Hawaiian archipelago, and continued through 2018 with a new generation of navigators taking the helm and guiding Hokule‘a and Hikianalia back to Polynesia after circumnavigating the globe, and again voyage around Hawai‘i’s home archipelago.

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must utilize and understand ancestral knowledge in their observations of the sun, stars, swells, seabirds and other natural phenomena. The routes from Kaua'i to Nihoa and beyond provide for open ocean sailing not normally experienced in the Hawaiian archipelago - the launching point nor the target destination are visible for an extended period of time during the course of the voyage, thereby offering a close simulation of a long-distance voyage without the added dangers of testing endurance. It is also the only voyaging route that offers this simulation while being close enough to the main Hawaiian Islands to ensure safety and access to provisions. These characteristics make this route the ideal training platform for novice Hawaiian wayfinders.

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traditional lures (shell/bone) will be utilized while trolling en-route to island destinations. Any State regulations including pono fishing practices recommended will be followed. All Monument BMPs will be adhered to in the instance of seabird interactions, marine mammals, and/or any ESA listed species. Data will be collected on all fish caught for size, gut content, gender, and spawning cycles. Pliers and a dehooker will be onboard to assist with quick removal of hooks from any catch. All fish will be consumed in the Monument.

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REVIEW PROCESS:

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The following questions and comments were raised. Applicant responses are noted below.

QUESTIONS:

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Applicant Response: *Yes, the crew who will be fishing are experienced with de-hookers and there will be one onboard each vessel doing this activity.*

COMMENTS / RECOMMENDATIONS:

1. The US Fish and Wildlife Service supports this activity.

Applicant Response: *Mahalo*

2. If a shark is hooked, fishing must be stopped and crew members should be prepared to release it.

Applicant Response: *Noted. The Polynesian Voyaging Society and its crew will follow any Monument best management practices and policies while trolling in Papahānaumokuākea. Sharks are not targeted during trolling activities and are highly revered as voyaging kinolau through akua such as Kamohoali'i and the rest of the Pele 'ohana as well as being important 'aumakua to certain families. While fishing from anchor where shark encounters are most likely to occur is not requested, we will take great care to watch lures in shallower waters near the islands in order to avoid these important kinolau.*

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crew risking themselves to dehook one. In 45 years of sailing all over the world, Hōkūle‘a has maybe caught one or two sharks, and all survived.

Comments received from the Native Hawaiian community are summarized as follows:

Cultural reviews support the acceptance of this application.

Comments received from the public are summarized as follows:

No comments were received from the public on this application.

Additional reviews and permit history:

Are there other relevant/necessary permits or environmental reviews that have or will be issued with regard to this project? (e.g. MMPA, ESA, EA) Yes ☒ No ☐

If so, please list or explain:

An informal review of all aforementioned activities following section 305(b) of the Magnuson-Stevens Fishery Conservation and Management Act (MSA; 16 U.S.C. 1855(b)) will occur prior to issuance of this permit. The outcome of this review may require the applicant to adhere to other NMFS-prescribed conditions. Such conditions would be reflected in the PMNM permit, prior to issuance.

Coordination and consultation pursuant to ESA Section 7 will occur prior to issuance of this permit. Consultations was initiated to analyze the effects of conducting cultural observations and protocol and fishing activities at Nihoa Island on Hawaiian Monk Seals, Hawksbill Sea Turtles, Green Sea Turtles, and monk seal designated critical habitat. The outcome of this consultation may require the applicant to adhere to other NMFS-prescribed conditions.

This activity is exempt from the preparation of an environmental assessment under the Authority of Chapter 343, HRS and Chapter 11-200, HAR. In accordance with the revised Exemption List For The Department Of Land And Natural Resources (Concurred on by the Environmental Council on November 10, 2020), this activity does not require a declaration of exemption or “exemption notice” as this activity falls under “**Part 1**” of its exemption class. This revision separates exemption lists into categories listed in §11-200.1-16 (a)(1) and (2). Activities categorized as “**Part 1**” will fall under §11-200.1-16 (a) (1). **Activities categorized as “Part 2” will require an exemption notice** and fall under §11-200.1-16 (a) (2). However, in order to be transparent for BLNR review purposes, this exemption notice had been drafted.

Consulted Parties:

The permit application was sent out for review and comment to the following scientific and cultural entities: Hawaii Division of Aquatic Resources, Hawaii Division of Forestry and Wildlife, Papahānaumokuākea Marine National Monument (NOAA/NOS), NOAA Pacific Islands Regional Office (NOAA-PIRO), United States Fish and Wildlife Service Hawaiian and Pacific Islands National Wildlife Refuge Complex Office, and the Office of Hawaiian Affairs (OHA). In addition, the permit application

has been posted on the Monument Web site, giving the public an opportunity to comment. The application was posted within 40 days of its receipt, in accordance with the Monument's Public Notification Policy.

Exemption Determination: After reviewing §11-200-8, HAR, including the criteria used to determine significance under §11-200-12, HAR, DLNR has concluded that the activities under this permit would have minimal or no significant effect on the environment and that issuance of the permit is categorically exempt from the requirement to prepare an environmental assessment based on the following analysis:

1. All activities associated with this permit have been evaluated as a single action. Since this permit involves an activity that is precedent to a later planned activity, i.e., the same study methodology used throughout the permit period, the categorical exemption determination here will treat all planned activities as a single action under §11-200-7, HAR.

2. The General Exemption Type #5 for Basic Data Collection, Research and Experimental Management with no Serious or Major Environmental Disturbance Appears to Apply. §11-200.1-16 (a) (1) and §11-200.1-16 (a) (2), HAR, exempts the class of actions that involve “basic data collection, research, experimental management, and resource evaluation activities which do not result in a serious or major disturbance to an environmental resource.” This exemption type has been interpreted to include the presence/absence fish surveys and the analysis of fish gut contents, such as those being proposed.

The proposed activities here appear to fall squarely under the general exemption type identified under HAR §11-200.1-16 (a) (1) and as described under the revised 2020 DLNR Exemption List (Concurred on by the Environmental Council on November 10, 2020), under the general exemption type #5 (Part 1), item #15, which includes, the conducting of “game and non-game wildlife surveys, vegetation and rare plant surveys, aquatic life surveys, inventory studies, new transect lines, photographing, recording, sampling, collection, culture, and captive propagation.”

The General Exemption Type #8 for Continuing Administrative Activities Appears to Apply. §11-200.1-16 (a) (1), HAR, exempts the class of actions that involve “continuing administrative activities.” This exemption type have been interpreted to include educational activities consisting of a navigational and cultural curriculum, such as those being proposed.

The proposed activities here appear to fall squarely under the general exemption type identified under HAR §11-200.1-16 (a) (1) and as described under the revised 2020 DLNR Exemption List (Concurred on by the Environmental Council on November 10, 2020), under the general exemption type #8 (Part 1), item #5, which includes, “training, environmental interpretation, public safety efforts and other educational activities.”

As discussed below, no significant disturbance to any environmental resource is anticipated. Thus, so long as the below considerations are met, an exemption class should include the action now contemplated.

3. Cumulative Impacts of Actions in the Same Place and Impacts with Respect to the Potentially Particularly Sensitive Environment Will Not be Significant. Even where a categorical exemption appears to include a proposed action, the action cannot be declared exempt if “the cumulative impact of planned successive actions in the same place, over time, is significant, or when an action that is normally insignificant in its impact on the environment may be significant in a particularly sensitive environment.”

HAR § 11-200-8.B. To gauge whether a significant impact or effect is probable, an exempting agency must consider every phase of a proposed action, any expected primary and secondary consequences, the long-term and short-term effects of the action, the overall and cumulative effect of the action, and the sum effects of an action on the quality of the environment. HAR § 11-200-12. Examples of actions which commonly have a significant effect on the environment are listed under HAR § 11-200-12.

The expedition was undertaken in previous years (most recently 2017) in State Waters. There were no deleterious effects from the previous expedition. With this in mind, significant cumulative impacts are not anticipated as a result of this activity, and numerous safeguards further ensure that the potentially sensitive environment of the project area will not be significantly affected. All activities will be conducted in a manner compatible with the management direction of the Monument Proclamation in that the activities do not diminish, but rather enhance monument resources, qualities, and ecological integrity, or have any indirect, secondary, cultural, or cumulative effects. The joint permit review process did not reveal any anticipated indirect or cumulative impacts, nor did it raise any cultural concerns, that would occur as a result of these activities.

Since no significant cumulative impacts or significant impacts with respect to any particularly sensitive aspect of the project area are anticipated, the categorical exemptions identified above should remain applicable.

4. Overall Impacts will Probably be Minimal and Insignificant.

Again, any foreseeable impacts from the proposed activity will probably be minimal, and further mitigated by general and specific conditions attached to the permit. Specifically, all research activities covered by this permit will be carried out with strict safeguards for the natural, historic, and cultural resources of the Monument as required by Presidential Proclamation 8031, other applicable law and agency policies and standard operating procedures.

Conclusion. Upon consideration of the permit to be approved by the Board of Land and Natural Resources, the potential effects of the above listed project as provided by Chapter 343, HRS and Chapter 11-200 HAR, have been determined to be of probable minimal or no significant effect on the environment and exempt from the preparation of an environmental assessment.

Papahānaumokuākea Marine National Monument
NATIVE HAWAIIAN PRACTICES Permit Application

NOTE: *This Permit Application (and associated Instructions) are to propose activities to be conducted in the Papahānaumokuākea Marine National Monument. The Co-Trustees are required to determine that issuing the requested permit is compatible with the findings of Presidential Proclamation 8031. Within this Application, provide all information that you believe will assist the Co-Trustees in determining how your proposed activities are compatible with the conservation and management of the natural, historic, and cultural resources of the Papahānaumokuākea Marine National Monument (Monument).*

ADDITIONAL IMPORTANT INFORMATION:

- Any or all of the information within this application may be posted to the Monument website informing the public on projects proposed to occur in the Monument.
- In addition to the permit application, the Applicant must either download the Monument Compliance Information Sheet from the Monument website OR request a hard copy from the Monument Permit Coordinator (contact information below). The Monument Compliance Information Sheet must be submitted to the Monument Permit Coordinator after initial application consultation.
- Issuance of a Monument permit is dependent upon the completion and review of the application and Compliance Information Sheet.

INCOMPLETE APPLICATIONS WILL NOT BE CONSIDERED

Send Permit Applications to:
NOAA/Inouye Regional Center
NOS/ONMS/PMNM/Attn: Permit Coordinator
1845 Wasp Blvd, Building 176
Honolulu, HI 96818
nwhipermit@noaa.gov
PHONE: (808) 725-5800 FAX: (808) 455-3093

**SUBMITTAL VIA ELECTRONIC MAIL IS PREFERRED BUT NOT REQUIRED. FOR
ADDITIONAL SUBMITTAL INSTRUCTIONS, SEE THE LAST PAGE.**

Papahānaumokuākea Marine National Monument Permit Application Cover Sheet

This Permit Application Cover Sheet is intended to provide summary information and status to the public on permit applications for activities proposed to be conducted in the Papahānaumokuākea Marine National Monument. While a permit application has been received, it has not been fully reviewed nor approved by the Monument Management Board to date. The Monument permit process also ensures that all environmental reviews are conducted prior to the issuance of a Monument permit.

Summary Information

Applicant Name: Charles Nainoa Thompson

Affiliation: Polynesian Voyaging Society (PVS)

Permit Category: Native Hawaiian Practices

Proposed Activity Dates: March 2020 – March 2021

Proposed Method of Entry (Vessel/Plane): Vessel

Proposed Locations: Nihoa, Mokumanamana, Lalo

Estimated number of individuals (including Applicant) to be covered under this permit: 38

Estimated number of days in the Monument: 20 days

Description of proposed activities: (complete these sentences):

a.) The proposed activity would...
allow for Hōkūleʻa and Hikianalia, Hawaii's Polynesian voyaging canoes, to sail to PMNM as a way for Hōkūleʻa and Hikianalia to continue to perpetuate traditional wayfinding and voyaging practices, and pay respect to and re-connect with Hawaii's kupuna islands in a culturally appropriate and significant way. The Northwest Hawaiian Islands are a known and valuable location important to the honing of voyaging practices. This activity would ensure new training navigators are given an opportunity to practice their skills in an area relatively close to the main Hawaiian islands.

b.) To accomplish this activity we would
sail into Papahānaumokuākea on two double-hulled voyaging canoes Hōkūleʻa and Hikianalia and one escort vessel (TBD), or combination thereof, to Nihoa, Mokumanamana, and Lalo. The waʻa will be used as a platform to continue to train and test apprentice navigators and crew members to practice the traditional Hawaiian/Polynesian skills of wayfinding (non-instrumental navigation) and voyaging. The crew will also continue to examine the gut content and size of fish caught by handline, continuing this practice from the 2013-2018 Worldwide Voyage (sustenance and subsistence fishing is being requested). The escort vessel (TBD) provides safety support for the waʻa in the event of an emergency or other unforeseen circumstances that may require immediate return to the main Hawaiian islands.

c.) This activity would help the Monument by ...

meeting a priority within the Monument Management Plan, which includes an activity in support of regular access for Polynesian voyaging canoes for wayfinding, navigational and cultural protocol training. We also note that wayfinding training and traditional voyaging were components of Papahānaumokuākea's successful nomination as a natural and cultural World Heritage site. Having this living tradition continue should be a priority for managers of this Marine World Heritage site.

Furthermore, besides perpetuating integral components of Native Hawaiian culture (voyaging and wayfinding), the use of traditional canoes in the Monument offers an opportunity to maintain a level of cultural integrity that is appropriate for spiritual ceremonies in Papahānaumokuākea . The ability of crewmembers to perform cultural/spiritual protocol and honor their ancestors perpetuates a centuries-old link of Native Hawaiians to their ancestors, their ancestral knowledge and the Kūpuna Islands.

Other information or background:

Hikianalia successfully and safely voyaged into Papahānaumokuākea in September 2013, with 6 apprentice navigators and 4 pwo (master) traditional navigators on board, providing an exceptional experiential learning opportunity. Subsequently, Hikianalia again successfully voyaged into PMNM in 2015 in collaboration with the 'Opihi Partnership, conducting science onboard the wa'a during the voyage. Both voyages have helped to provide a stronger awareness that the entire Hawaiian Archipelago is connected, sacred and worth protecting. It also helped to continue to draft the chart toward more regular access for Polynesian voyaging canoes into this traditional voyaging area and toward more collaboration among multidisciplinary champions of the perpetuation of the natural and cultural resources of Hawai'i. For this reason, PVS is excited to continue to leverage expertise and resources from scientists, marine managers, educators, and cultural practitioners to further integrate western science and Native Hawaiian ways of knowing.

Section A - Applicant Information

1. Applicant

Name (last, first, middle initial): Thompson, Charles N.

Title: President

1a. Intended field Principal Investigator (See instructions for more information):

Charles "Nainoa" Thompson

2. Mailing address (street/P.O. box, city, state, country, zip): 10 Sand Island Parkway;
Honolulu, HI 96819

Phone: (808) 842-1101

Fax: (808) 842-1112

Email: lehua@pvshawaii.org

For students, major professor's name, telephone and email address:

3. Affiliation (institution/agency/organization directly related to the proposed project):

Polynesian Voyaging Society

4. Additional persons to be covered by permit. List all personnel roles and names (if known at time of application) here (e.g. John Doe, Diver):

16 crew (maximum) for the double-hulled, Polynesian voyaging canoe Hikianalia,
crew member names TBD on compliance information sheet

16 crew (maximum) for the double-hulled, Polynesian voyaging canoe Hōkūle'a, -- crew
member names TBD on compliance information sheet

6 crew (maximum) for a TBD escort vessel, if needed-- crew members TBD on
compliance information sheet.

Section B: Project Information

5a. Project location(s):

<input checked="" type="checkbox"/> Nihoa Island	<input type="checkbox"/> Land-based	<input checked="" type="checkbox"/> Shallow water	<input checked="" type="checkbox"/> Deep water
<input checked="" type="checkbox"/> Necker Island (Mokumanamana)	<input type="checkbox"/> Land-based	<input checked="" type="checkbox"/> Shallow water	<input checked="" type="checkbox"/> Deep water
<input checked="" type="checkbox"/> French Frigate Shoals	<input type="checkbox"/> Land-based	<input checked="" type="checkbox"/> Shallow water	<input checked="" type="checkbox"/> Deep water
<input type="checkbox"/> Gardner Pinnacles	<input type="checkbox"/> Land-based	<input type="checkbox"/> Shallow water	<input type="checkbox"/> Deep water
<input type="checkbox"/> Maro Reef			
<input type="checkbox"/> Laysan Island	<input type="checkbox"/> Land-based	<input type="checkbox"/> Shallow water	<input type="checkbox"/> Deep water
<input type="checkbox"/> Lisianski Island, Neva Shoal	<input type="checkbox"/> Land-based	<input type="checkbox"/> Shallow water	<input type="checkbox"/> Deep water
<input type="checkbox"/> Pearl and Hermes Atoll	<input type="checkbox"/> Land-based	<input type="checkbox"/> Shallow water	<input type="checkbox"/> Deep water
<input type="checkbox"/> Midway Atoll	<input type="checkbox"/> Land-based	<input type="checkbox"/> Shallow water	<input type="checkbox"/> Deep water
<input type="checkbox"/> Kure Atoll	<input type="checkbox"/> Land-based	<input type="checkbox"/> Shallow water	<input type="checkbox"/> Deep water
<input type="checkbox"/> Other			

NOTE: Shallow water is defined by water less than 100 meters in depth.

☐ Remaining ashore on any island or atoll (with the exception of Sand Island at Midway Atoll and field camp staff on other islands/atolls) between sunset and sunrise.

NOTE: There is a fee schedule for people visiting Midway Atoll National Wildlife Refuge via vessel and aircraft.

Location Description:

The intention of this trip is to navigate, using traditional methods to continue to train our crew members in voyaging and navigation skills, and within the voyaging values of taking care of our collective home for our present and future children. We will finalize our sail plans before our departure to make sure that all Monument consultations and requirements are met.

East Island at Lalo was assessed for sea-level rise research under PMNM-2018-018, it is being requested to do a post assessment of the island due to its changing nature.

5b. Check all applicable regulated activities proposed to be conducted in the Monument:

- ☒ Removing, moving, taking, harvesting, possessing, injuring, disturbing, or damaging any living or nonliving Monument resource
- ☐ Drilling into, dredging, or otherwise altering the submerged lands other than by anchoring a vessel; or constructing, placing, or abandoning any structure, material, or other matter on the submerged lands
- ☒ Anchoring a vessel
- ☐ Deserting a vessel aground, at anchor, or adrift
- ☒ Discharging or depositing any material or matter into the Monument
- ☐ Touching coral, living or dead
- ☒ Possessing fishing gear except when stowed and not available for immediate use during passage without interruption through the Monument
- ☒ Attracting any living Monument resource
- ☒ Sustenance fishing (Federal waters only, outside of Special Preservation Areas, Ecological Reserves and Special Management Areas)

- ☒ Subsistence fishing (State waters only)
- ☒ Swimming, snorkeling, or closed or open circuit SCUBA diving within any Special Preservation Area or Midway Atoll Special Management Area

6. Purpose/Need/Scope *State purpose of proposed activities:*

The Polynesian Voyaging Society is preparing and planning an around-the-Pacific voyage in the coming years. In order to train the requisite crew, navigators, and captains for this endeavor, training within the Hawaiian Archipelago is necessary. Utilizing the islands within Papahānaumokuākea gives crew, especially navigators, an opportunity to navigate to islands small in stature with no light polution. They must utilize and understand ancestral knowledge in their observations of the sun, stars, swells, seabirds and other natural phenomena. The routes from Kaua'i to Nihoa and beyond provide for open ocean sailing not normally experienced in the Hawaiian archipelago – the launching point nor the target destination are visible for an extended period of time during the course of the voyage, thereby offering a close simulation of a long-distance voyage without the added dangers of testing endurance. It is also the only voyaging route that offers this simulation while being close enough to the main Hawaiian Islands to ensure safety and access to provisions. These characteristics make this route the ideal training platform for novice Hawaiian wayfinders.

Today, apprentice Hawaiian wayfinders can be considered qualified to attempt to navigate a canoe on long-distance, trans-Pacific sails after they have successfully guided a voyage from Kaua'i to Nihoa.

*Considering the purpose of the proposed activities, do you intend to film / photograph federally protected species? Yes ☐ No ☒

If so, please list the species you specifically intend to target.

For a list of terrestrial species protected under the Endangered Species Act visit:

<http://www.fws.gov/angered/>

For a list of marine species protected under the Endangered Species Act visit:

<http://www.nmfs.noaa.gov/pr/species/esa/>

For information about species protected under the Marine Mammal Protection Act visit:

<http://www.nmfs.noaa.gov/pr/laws/mmpa/>

7. Answer the Findings below by providing information that you believe will assist the Co-Trustees in determining how your proposed activities are compatible with the conservation and management of the natural, historic, and cultural resources of the Monument:

The Findings are as follows:

a. How can the activity be conducted with adequate safeguards for the cultural, natural and historic resources and ecological integrity of the Monument?

The crew will pay respect and conduct culturally appropriate protocols at each island visited as well as throughout the voyage to continue to connect to place. The wa'a and crew will not disturb any natural, cultural or historic resources. We seek to honor our ancestors and the high significance of these places by presenting Ho'okupu in the form of oli (chants), pule (prayers), and spiritual gifts from the main

Hawaiian Islands (such as 'awa and rain water and possibly a red fish offered as ho'okupu). All ho'okupu will follow any quarantine protocols established by the Monument.

b. How will the activity be conducted in a manner compatible with the management direction of this proclamation, considering the extent to which the conduct of the activity may diminish or enhance Monument cultural, natural and historic resources, qualities, and ecological integrity, any indirect, secondary, or cumulative effects of the activity, and the duration of such effects?

a. The Monument Proclamation highlights the cultural significance of Papahānaumokuākea to Native Hawaiians, and the Proclamation itself authorizes access to the area via Native Hawaiian Practices Permits. The proposed activities are compatible with the management direction of the Proclamation and the Monument Management Plan, which has prioritized the support of regular access for Polynesian voyaging canoes for wayfinding, navigation, and cultural protocol training.

As previously stated, the activities proposed herein will not impact the environment or historic resources in any negative way. All activities will be conducted in accordance with the Monument's BMPs. For safety purposes, each vessel will carry communications and first-aid equipment on board. The vessels will meet the strict requirements of this permitting process.

The proposed project's activities will enhance the public's and Papahānaumokuākea management's understanding of the living cultural significance of this place, its connection to Hawai'i's past and to the main Hawaiian Islands of today, and the abilities of our younger generation of traditional navigators.

Also, PVS's commitments directly relate to and are compatible with the management direction of the Monument: "With a legacy of ocean exploration as its foundation, the Polynesian Voyaging Society reaffirms our commitment to undertake voyages of discovery; respect and learn from our heritage and culture; and strengthen learning which integrates voyaging experiences into quality education. We are committed to nurturing communities and the leadership therein which values learning and sharing knowledge in order to foster living well on islands."

c. Is there a practicable alternative to conducting the activity within the Monument? If not, explain why your activities must be conducted in the Monument.

There is no practicable alternative to conducting the proposed activities within Papahānaumokuākea, especially at Nihoa and Mokumanamana. As traditional teachings show us, in order to truly experience and connect with a place, we must 'ikemaka (see, experience, visit firsthand) the place. As for navigation, Nihoa has no

artificial lighting to aid the apprentice navigator, and its small physical size and low-lying nature requires astute observations of the sun, stars, swells, seabirds and other natural elements. Today, apprentice Hawaiian wayfinders can be considered qualified to attempt to navigate a canoe on long-distance, trans-oceanic sails after they have successfully guided a voyage from Kaua'i to Nihoa.

d. How does the end value of the activity outweigh its adverse impacts on Monument cultural, natural and historic resources, qualities, and ecological integrity?

While we do not think that there are any adverse impacts, the proposed activities provide beneficial impacts to Papahānaumokuākea, such as those explained above and by highlighting (through example) the area as an important place for the perpetuation of Native Hawaiian cultural and spiritual practices and a place that is essential in training apprentice navigators studying modern Hawaiian wayfinding aboard traditional double-hulled Hawaiian voyaging canoes.

e. Explain how the duration of the activity is no longer than necessary to achieve its stated purpose.

The proposed activities would take place in the Monument for only the possible 30 days of sailing transit required to and from each island/atoll in PMNM. We are conservatively including a weather window to assure that we remain compliant with our permit if weather conditions beyond our control cause the need for more transit time. We will update the Monument on specific travel dates/times.

f. Provide information demonstrating that you are qualified to conduct and complete the activity and mitigate any potential impacts resulting from its conduct.

Nainoa Thompson has extensive experience as a master navigator and teacher of Hawaiian wayfinding techniques. He has been inducted into Pwo (a sacred initiation ritual) as a master navigator and was the first Native Hawaiian to practice the ancient art of wayfinding in six centuries. He has navigated both Hōkūle'a and Hawai'iloa (double-hulled voyaging canoes) from Hawai'i to other island nations throughout Polynesia, including the NWHI, without the aid of instruments - all with only positive educational impacts to natural, historic or cultural resources. He successfully led Hikianalia's maiden voyage to Papahānaumokuākea in September 2013. Also on board will be at least one cultural practitioner trained in Native Hawaiian cultural protocol and several people who have worked for natural and cultural resource preservation and perpetuation in Hawai'i.

g. Provide information demonstrating that you have adequate financial resources available to conduct and complete the activity and mitigate any potential impacts resulting from its conduct. These training trips are essential for the Polynesian Voyaging Society (PVS), a cultural and educational not-for-profit organization, through various grants and public and private contributions.

h. Explain how your methods and procedures are appropriate to achieve the proposed activity's goals in relation to their impacts to Monument cultural, natural and historic resources, qualities, and ecological integrity.

The crew of all vessels will be trained in sailing a wa'a kaulua, as well as take part in protocol trainings specific to Papahānaumokuākea. The crew will also attend the required cultural and permit briefings to learn of the history and resources within PMNM.

i. Has your vessel been outfitted with a mobile transceiver unit approved by OLE and complies with the requirements of Presidential Proclamation 8031?

The proposed voyage would comply with the requirements of Presidential Proclamation 8031: Any vessel will be outfitted with a working NOAA-OLE type-approved VMS for the trip.

j. Demonstrate that there are no other factors that would make the issuance of a permit for the activity inappropriate.

There are no other factors that would make issuing this permit inappropriate.

ADDITIONAL FINDINGS FOR PROPOSED NATIVE HAWAIIAN PRACTICES

k. Explain how the activity is non-commercial and will not involve the sale of any organism or material collected.

The proposed activities will not result in any commercial use of any Monument resource. The wa'a are registered as recreational vessels and operated by volunteer un-paid crew.

l. Explain how the purpose and intent of the activity is appropriate and deemed necessary by traditional standards in the Native Hawaiian culture (pono), and demonstrate an understanding of, and background in, the traditional practice and its associated values and protocols.

Perpetuating the practice of traditional Hawaiian wayfinding is an essential component of the living Native Hawaiian culture and values. The route from Kaua'i to Nihoa is an imperative element in ensuring that the art and practice of traditional Hawaiian wayfinding is carried into the future by the younger generations of apprentice navigators and voyaging crewmembers.

m. Explain how the activity benefits the resources of the Northwestern Hawaiian Islands and the Native Hawaiian community.

Besides perpetuating integral components of Native Hawaiian culture (voyaging and wayfinding), the use of traditional canoes in the Monument offers an opportunity to maintain a level of cultural integrity that is appropriate for spiritual ceremonies in Papahānaumokuākea. Equally, the ability of crewmembers to perform cultural/spiritual protocol and honor their ancestors perpetuates a centuries-old link of Native Hawaiians to their ancestors, their ancestral knowledge and the Kūpuna Islands: the NWHI.

n. Explain how the activity supports or advances the perpetuation of traditional knowledge and ancestral connections of Native Hawaiians to the Northwestern Hawaiian Islands.

As previously stated, Papahānaumokuākea serves a critical role in three pertinent, significant and living, Native Hawaiian traditions: 'ikemaka, voyaging, and wayfinding. The voyaging route between Kaua'i and Nihoa is used today, as it has been for generations, as a major training and testing ground for novice navigators studying modern Hawaiian wayfinding aboard traditional, double-hulled Hawaiian voyaging canoes. The activities proposed in this permit application support the perpetuation of traditional Hawaiian wayfinding and voyaging, as they serve to train apprentice navigators and test their knowledge in an environment that is a close simulation of a long-distance voyage without the added dangers of testing endurance.

o. Will all Monument resources harvested in the Monument be consumed in the Monument? If not, explain why not.

Yes they will.

8. Procedures/Methods:

Voyaging: Pending funding and logistics one or more PVS vessels (Hōkūle'a, Hikianalia, TBD escort vessel) may enter the Monument. Before leaving O'ahu, an updated CIS form will be submitted with the preferred sail plan and confirmed vessels that will be traveling. The canoe(s) will depart Kaua'i en-route to Lehua Island, with Nihoa as its initial landmark. Crew will utilize traditional wayfinding and navigation while on their voyage. Once at Nihoa, the crew will spend a day for cultural protocols at the island. If the vessels subsequently continue to Mokumanamana, the vessel will anchor for the day in the lee of the island to do cultural protocol and for planning the return sail to the main Hawaiian Islands. If the weather and schedule permits, a sail to Lalo (French Frigate Shoals) is requested. The ship will enter from the southwestern portion of the atoll and anchor near La Perouse Pinnacle in sandy substrate.

While at each island, crew will snorkel in the vicinity of the vessel to do presence/absence fish surveys. All legs of the voyage, are weather pending, which may either prolong or inhibit a stay at an island. A finalized sailplan including final crew list, which canoe will go, and if there will be an escort vessel, will be attached to the Compliance Information Sheet and submitted to the Monument Permit Coordinator prior to entry. All vessels will comply with Monument Best Management Practices.

Sustenance and subsistence fishing is request for this access. Up to 4 handlines with contemporary lures (ceramic heads/metal hooks) and/or traditional lures (shell/bone) will be utilized while trolling en-route to island destinations. Any fishing will be done opportunistically, not targeting any specific pelagic or nearshore species. However, any State regulations including pono fishing practices recommended by the CWG or community fishermen will be followed. All Monument BMPs will be adhered to in the instance of seabird interactions, marine mammals, and/or any ESA listed species. Data will be collected on all fish caught for size, gut content, gender, and spawning cycles. Pliers and a dehooker will be onboard to assist with quick removal of hooks from any catch. All fish will

be consumed in the Monument, and only what is necessary to feed the crew for the day will be caught.

NOTE: If land or marine archeological activities are involved, contact the Monument Permit Coordinator at the address on the general application form before proceeding.

9a. Collection of specimens - collecting activities (would apply to any activity): organisms or objects (List of species, if applicable, attach additional sheets if necessary):

Common name:

Fishing done opportunistically, no specific fish will be targeted, and fishing will only occur to feed the crew for the day, if necessary.

Scientific name:

Hawaiian name:

& size of specimens:

Collection location:

☒ Whole Organism ☐ Partial Organism

9b. What will be done with the specimens after the project has ended?

All fish will be consumed in the Monument

9c. Will the organisms be kept alive after collection? ☐ Yes ☒ No

• General site/location for collections:

• Is it an open or closed system? ☐ Open ☐ Closed

• Is there an outfall? ☐ Yes ☐ No

• Will these organisms be housed with other organisms? If so, what are the other organisms?

- Will organisms be released?

10. If applicable, how will the collected samples or specimens be transported out of the Monument?

All fish will be consumed in the Monument.

11. Describe any fixed or semi-permanent structures or installations, or cultural offerings you plan to leave in the Monument:

Cultural practitioners will only offer culturally and biologically appropriate ho'okupu in the Monument following any BMPs. This includes oli (chant), wai (water), 'awa, pa'akai, and pule (prayer).

12. List all specialized gear and materials to be used in the proposed activities:

Fishing gear includes: handlines, lures, monofilament line, pliers/dehooker, and other fishing related materials.

13. List all Hazardous Materials you propose to take to and use within the Monument:

14. Describe collaborative activities to share samples, cultural research and/or knowledge gained in the Monument:

PVS, as part of the larger 'Ohana Wa'a (family of voyaging canoes), is creating a long-term voyaging program in collaboration with various state, federal and private entities. This navigational test will be part of the voyaging program in that it will be a high level of voyaging training. Long-term plans include the development of curriculum around such a voyage at the undergraduate level, and much of the cultural and environmental knowledge gleaned from this voyage may be added to the existing Navigating Change program, of which PVS is a founding member. We will work with Monument staff to determine appropriate partnering mechanisms.

15a. Will you produce any publications, educational materials or other deliverables?

☒ Yes ☐ No

15b. Provide a time line for write-up and publication of information or production of materials:

If we do produce any educational materials based on this voyage, including potential undergraduate and K-12 curriculum, we will share it with the Monument, especially as the development of such material may well be done in collaboration with Monument staff. We do not have a timeline on the production of said curriculum or lesson plans, as they are being developed by our education partners, and we are focusing on the logistics of safety for our canoes and crew.

We will also be blogging during this voyage, and images and stories will be posted on www.hokulea.com as well as via social media. Thereby helping to enhance the concept of providing a window to Papahānaumokuākea for members of the public not permitted to experience this significant place on their own.

16. If applicable, list all Applicant's publications directly related to the proposed project:

Please visit our website -- www.hokulea.com -- for relevant photos, blogs and videos on the recent trips of Hikianalia to Papahānaumokuākea. All of the images taken in the Monument were shared with the management of Papahānaumokuākea, as would be any taken under this access request.

With knowledge of the penalties for false or incomplete statements, as provided by 18 U.S.C. 1001, and for perjury, as provided by 18 U.S.C. 1621, I hereby certify to the best of my abilities under penalty of perjury of that the information I have provided on this application form is true and correct. I agree that the Co-Trustees may post this application in its entirety on the Internet. I understand that the Co-Trustees will consider deleting all information that I have identified as "confidential" prior to posting the application.

	<u>2-28-20</u>
Signature	Date

SEND ONE SIGNED APPLICATION VIA MAIL TO THE MONUMENT OFFICE BELOW:

NOAA/Inouye Regional Center
NOS/ONMS/PMNM/Attn: Permit Coordinator
1845 Wasp Blvd, Building 176
Honolulu, HI 96818
FAX: (808) 455-3093

DID YOU INCLUDE THESE?

- ☐ Applicant CV/Resume/Biography
- ☐ Intended field Principal Investigator CV/Resume/Biography
- ☐ Electronic and Hard Copy of Application with Signature
- ☐ Statement of information you wish to be kept confidential
- ☐ Material Safety Data Sheets for Hazardous Materials

Papahānaumokuākea Marine National Monument Compliance Information Sheet

1. Updated list of personnel to be covered by permit. List all personnel names and their roles here (e.g. John Doe, Diver; Jane Doe, Field Technician, Jerry Doe, Medical Assistant): Nainoa Thompson; 16 maximum for wa'a kaulua Hikianalia; 16 crew maximum for wa'a kaulua Hōkūle'a; 6 crew maximum on a TBD escort vessel

2. Specific Site Location(s): (Attach copies of specific collection locations): Nihoa, Mokumanamana, Lalo (French Frigate Shoals)

3. Other permits (list and attach documentation of all other related Federal or State permits):

3a. For each of the permits listed, identify any permit violations or any permit that was suspended, amended, modified or revoked for cause. Explain the circumstances surrounding the violation or permit suspension, amendment, modification or revocation.

4. Funding sources (Attach copies of your budget, specific to proposed activities under this permit and include funding sources. See instructions for more information):

5. Time frame:

Activity start: May 1st, 2021

Activity completion: April 30, 2022

Dates actively inside the Monument:

From: Tentative 3 week period beginning in June 2021

To:

Describe any limiting factors in declaring specific dates of the proposed activity at the time of application: Weather, completion of drydock and sea trials for both vessels, and completion of other training sails prior to PMNM departure.

Personnel schedule in the Monument:

6. Indicate (with attached documentation) what insurance policies, bonding coverage, and/or financial resources are in place to pay for or reimburse the Monument trustees for the necessary search and rescue, evacuation, and/or removal of any or all persons covered by the permit from the Monument:

7. Check the appropriate box to indicate how personnel will enter the Monument:

- ☒ Vessel
☐ Aircraft

Provide Vessel and Aircraft information: wa‘a kaulua Hōkūle‘a; wa‘a kaulua Hikianalia;
power escort vessel TBD

8. The certifications/inspections (below) must be completed prior to departure for vessels (and associated tenders) entering the Monument. Fill in scheduled date (attach documentation):

- ☐ Rodent free, Date:
☐ Tender vessel, Date:
☐ Ballast water, Date:
☐ Gear/equipment, Date:
☐ Hull inspection, Date:

9. Vessel information (NOTE: if you are traveling aboard a National Oceanic and Atmospheric Administration vessel, skip this question):

Vessel name: Hōkūle‘a

Vessel owner: Polynesian Voyaging Society

Captain's name: Nainoa Thompson or other TBD

IMO#:

Vessel ID#:571798

Flag: U.S.

Vessel type: Traditional Double-Hulled Sailing Canoe

Call sign: WDH 4295

Embarkation port: Honolulu

Last port vessel will have been at prior to this embarkation: Honolulu

Length: 62' (19m)

Gross tonnage: 7.0 TONS

Total ballast water capacity volume (m3): n/a
Total number of ballast water tanks on ship: n/a
Total fuel capacity: n/a
Total number of fuel tanks on ship: n/a
Marine Sanitation Device: n/a
Type:

Vessel name: Hikianalia
Vessel owner: Polynesian Voyaging Society
Captain's name: Bruce Blankenfeld
IMO#:
Vessel ID#: 1300423
Flag: U.S.
Vessel type: Double-Hulled Sailing Canoe
Call sign: E5U 2592
Embarkation port: Honolulu
Last port vessel will have been at prior to this embarkation: Honolulu
Length: 72'
Gross tonnage: 37-tons
Total ballast water capacity volume (m3): n/a
Total number of ballast water tanks on ship: n/a
Total fuel capacity: 435-gal
Total number of fuel tanks on ship: 4
Marine Sanitation Device: (2) Type III electric w/lockout
Type:

Explain in detail how you will comply with the regulations regarding discharge in the Monument. Describe in detail. If applicable, attach schematics of the vessel's discharge and treatment systems:

Other fuel/hazardous materials to be carried on board and amounts:

Provide proof of a National Oceanic and Atmospheric Administration (NOAA) Office of Law Enforcement-approved Vessel Monitoring System (VMS). Provide the name and contact information of the contractor responsible for installing the VMS system. Also describe VMS unit name and type:

VMS Email:
Inmarsat ID#:

* Individuals MUST ENSURE that a type-approved VMS unit is installed and that its automatic position reports are being properly received by the NOAA OLE system prior to the issuance of a permit. To make sure your VMS is properly configured for the NOAA OLE system, please contact NOAA OLE at (808) 725-6110 or (808) 725-6100.

* PERMITS WILL NOT BE ISSUED TO INDIVIDUALS ENTERING THE MONUMENT VIA VESSEL UNTIL NOAA OLE HAS CONTACTED THE MONUMENT PERMIT COORDINATOR WITH A 'POSITIVE CHECK' READING.

10. Tender information:

On what workboats (tenders) will personnel, gear and materials be transported within the Monument? List the number of tenders/skiffs aboard and specific types of motors:

Additional Information for Land Based Operations

11. Proposed movement of personnel, gear, materials, and, if applicable, samples:

12. Room and board requirements on island:

13. Work space needs:

DID YOU INCLUDE THESE?

- ☐ Map(s) or GPS point(s) of Project Location(s), if applicable
- ☐ Funding Proposal(s)
- ☐ Funding and Award Documentation, if already received
- ☐ Documentation of Insurance, if already received
- ☐ Documentation of Inspections
- ☐ Documentation of all required Federal and State Permits or applications for permits